

Applicant: Last
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 903-191 PCT/US
Page 4

B. Amendments to the Claims:

Please amend the claims as follows:

Claim 1. (Currently amended) A Plastic medium feed through part, for example a spout[[,]] designed to be sealed by means of a sealing technique between film walls of a bag, comprising:

a plastic body which forms a channel therein that allows for at least one of dispensing a medium from the bag ~~and/or feeding a medium~~ it to the bag,

wherein the ~~which~~ body of the spout has sealing sides situated opposite each other, each sealing side having a sealing surface which is for achieving a sealed connection to an adjoining film wall, which sealing sides are substantially flat and free from ribs and is adapted for achieving a sealed connection to an adjoining film wall of said bag,

wherein ~~characterized in that~~ each sealing side surface has a rough surface structure, ~~preferably over the entire surface of each sealing side, a strip along the free edge of each sealing side possibly not having a rough surface structure, so that no sealed connection is achieved there.~~

Claim 2. (Currently amended) A spout ~~Medium feed through part~~ according to claim 1, wherein in which the sealing side has a surface roughness value which ~~of the sealing sides~~ lies between 20 and 40 in accordance with VDI Richtlinie 3400.

Claim 3. (Currently amended) A spout ~~Medium feed through part~~ according to claim 1 [[2]], wherein in which the sealing surface has a surface roughness value of the sealing sides which lies between 23 and 35 in accordance with VDI Richtlinie 3400.

Claim 4. (Currently amended) A spout ~~Medium feed through part~~ according to claim 1 [[3]], wherein in which the sealing surface has a surface roughness value of the sealing sides which lies between 26 and 34 in accordance with VDI Richtlinie 3400.

Applicant: Last
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 903-191 PCT/US
Page 5

Claim 5. (Currently amended) A spout ~~Medium feed through part~~ according to ~~one or more of the preceding claims~~ claim 1, ~~wherein in which~~ the body has a transverse wall with an opening therein which opening in it which forms part of the channel, and ~~wherein also with said body further includes~~ sealing walls which project at an angle from the transverse wall and are substantially symmetrical relative to a plane of symmetry substantially perpendicular to the transverse wall and wherein said sealing walls each have an outside portion forming said sealing surface of the spout.

Claim 6. (Currently amended) A spout ~~Medium feed through part~~ according to claim 5, ~~wherein said in which the~~ sealing walls are at the greatest distance from each other in a central area and are connected to each other in end areas situated in the corresponding plane of symmetry.

Claim 7. (Currently amended) A spout ~~Medium feed through part~~ according to ~~one or more of the preceding claims~~ claim 1, ~~wherein in which~~ the body has a tubular element which forms part of the channel of the spout.

Claim 8. (Currently amended) A spout ~~Medium feed through part~~ according to claim[[s]] 1 5 and 7, in which, wherein the body has a transverse wall with an opening therein which opening forms part of said channel, and in which said body further includes sealing walls which project at an angle from said transverse wall and are substantially symmetrical relative to a plane of symmetry substantially perpendicular to said transverse wall, and wherein said sealing walls each have an outside forming said sealing side surface of the spout, and in which the body has a tubular element which forms part of the channel of the spout, said the tubular element extend[[s]]ing from a ~~the~~ side of the transverse wall facing away from the sealing walls.

Applicant: Last
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 903-191 PCT/US
Page 6

Claim 9. (Currently amended) ~~Bag~~ A bag having film walls and provided with a ~~medium feed-through part spout~~ according to ~~one or more of the preceding claims claim 1~~ which is sealed between said film walls of the bag by a sealing technique.

Claim 10. (Currently amended) ~~Mould~~ A mould for injection moulding a ~~medium feed-through part spout~~ according to ~~one or more of the preceding claims claim 1~~, in which wherein the mould has a mould cavity with wall parts which define the sealing sides of the body of the spout and wherein in the case of which the said wall parts ~~concerned~~ are provided with a rough surface structure, ~~for example obtained by a suitable electrical discharge machining operation.~~

Claim 11. (Currently amended) Method for sealing a plastic ~~medium feed-through part spout~~ according to ~~one or more of the preceding claims claim 1~~ between film walls of a bag, in which use is made of a sealing device provided with sealing elements disposed opposite each other and each having a sealing face by means of which the sealing bar is pressed against the film wall, so that the film wall adheres to the spout medium feed-through part, wherein ~~characterized in that~~ the sealing faces are substantially flat, so that the rough surface structure of the sealing walls at least partially disappears during the sealing, and a flat unit is preferably obtained.

Claims 12-19. (Canceled)

Claim 20. (Currently amended) ~~Method~~ A method for sealing between film walls of a bag and ~~plastic medium feed-through part, for example~~ a spout, comprising:

providing a plastic body which forms a channel for dispensing a medium from the bag and/or feeding it to the bag, which body has sealing sides situated opposite each other, each for achieving a sealed connection to an adjoining film wall, which sealing sides are substantially flat and free from ribs,

~~use being made of~~ providing a sealing device having ~~provided with~~ sealing elements

Applicant: Last
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 903-191 PCT/US
Page 7

disposed opposite each other and each having a sealing face, wherein the sealing faces of the sealing elements have a rough or structured surface structure, and

~~pressing with which the sealing elements is pressed~~ against the film wall, so that the film wall adheres to the spout medium feed-through part, ~~characterized in that the sealing faces of the sealing elements have a rough or structured surface structure.~~

Claim 21. (Currently amended) ~~Method~~ A method for sealing between film walls of a bag and ~~plastic medium feed-through part, for example~~ a spout, comprising:

providing a plastic body which forms a channel for dispensing a medium from the bag and/or feeding it to the bag, which body has a transverse wall with an outermost edge and sealing sides situated opposite each other which connect to the outermost edge of the transverse wall, each sealing side for achieving a sealed connection to an adjoining film wall, which sealing sides are preferably substantially flat and free from ribs,

~~providing use being made of~~ a sealing device having ~~provided with~~ sealing elements disposed opposite each other and each having a sealing face,

~~pressing with which the sealing elements is pressed~~ against the film wall, so that the film wall adheres to the spout medium feed-through part,

wherein ~~characterized in that~~ the sealing elements each have on the side facing the sealing element situated opposite an overhanging rib, which rib rests on top of the outermost edge area of the transverse wall during the sealing, so that melting plastic material is prevented from running out between the film wall and the spout feed-through part in the region of that outermost edge.

Claim 22. (Currently amended) ~~Method~~ A method for sealing between film walls of a bag and ~~plastic medium feed-through part, for example~~ a spout, comprising:

providing a plastic body which forms a channel for dispensing a medium from the bag and/or feeding it to the bag, which body has a transverse wall with an outermost edge and sealing sides situated opposite each other which connect to the outermost edge of the transverse wall,

Applicant: Last
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 903-191 PCT/US
Page 8

each sealing side serving to achieve a sealed connection to an adjoining film wall, which sealing sides are preferably substantially flat and free from ribs,

providing ~~use being made of~~ a sealing device having ~~provided with~~ sealing elements disposed opposite each other and each having a sealing face,

pressing ~~with which~~ the sealing elements is pressed against the film wall, so that the film wall adheres to the spout ~~medium feed through part~~,

wherein ~~characterized in that~~ the sealing faces are provided with one or more recesses, in such a way that at the position of a recess little - or possibly no - excessive or unequal pressure is exerted by a sealing element upon the film wall and the spout ~~medium feed through part~~.

Claim 23. (Currently amended) ~~Method~~ A method according to claim 22, in which at each of the merging end areas of the sealing sides the spout ~~medium feed through part~~ is provided with an outwardly projecting flap, which flap also ultimately lies between the film walls, and in which the sealing faces of the sealing elements are provided with a recess at the level of each flap.

Claim 24. (Currently amended) ~~Method~~ A method according to claim 23, in which the bag is a side-gusset bag having on each side a part of each film wall folded inwards, so that a fourfold film wall thickness is present there, and a central part formed by two film walls, the spout ~~medium feed through part~~ being placed in the central part, and the sealing faces of the sealing elements situated opposite each other being of a recessed design in the area of the fourfold wall thickness, in order to compensate for the film wall thickness relative to the central part.

Claims 25-29. (Canceled)

Claim 30. (New) A spout according to claim 1, wherein each sealing surface has a rough surface structure over the entire sealing side surface.

Applicant: Last
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 903-191 PCT/US
Page 9

Claim 31. (New) A spout according to claim 1, wherein the body has a tubular element which forms part of the channel of the spout, and wherein the tubular element is provide with a screw thread for a screw cap.